Index of Claims



Application/Control No.

09/955,259 Examiner

ANNIBALI, NESTOR

Art Unit

Reexamination

Applicant(s)/Patent under

Michele K. Joike, Ph.D.

1636

Rejected Allowed

(Through numeral) Cancelled

Restricted

Non-Elected N

Interference

Appeal Α

0 Objected

|                 |                                                                                  |                                                  | <u> </u>                                         |                                                  |              |                                                    | ı                                                |              | Ь—           | <u> </u>        |  |
|-----------------|----------------------------------------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------------------------------------------|--------------|----------------------------------------------------|--------------------------------------------------|--------------|--------------|-----------------|--|
| Cla             | im                                                                               | Date                                             |                                                  |                                                  |              |                                                    |                                                  |              |              |                 |  |
| Oie             |                                                                                  |                                                  |                                                  |                                                  |              |                                                    |                                                  |              |              | $\vdash$        |  |
| =               | Original                                                                         | 7/20/04                                          | 10/6447 07                                       | 114105                                           | 30/6         |                                                    | ĺ                                                |              |              |                 |  |
| Final           | <u>.</u>                                                                         | Ø                                                | 18                                               | 3                                                | 7            |                                                    |                                                  |              |              |                 |  |
| Щ               | Ö                                                                                | 2                                                | 4                                                | 13                                               | w            |                                                    |                                                  |              |              |                 |  |
|                 |                                                                                  | 7                                                | Ø                                                | $\epsilon$                                       | /1]          | _                                                  |                                                  |              | <u> </u>     | Ш               |  |
|                 | 1                                                                                | ÷                                                | 1/                                               | V                                                | V            | <u> </u>                                           |                                                  | <u>L</u>     |              |                 |  |
|                 | 2                                                                                |                                                  | 0                                                | レレロ                                              | \            |                                                    |                                                  |              |              | Ш               |  |
|                 | 3                                                                                | П                                                | V                                                | ۷                                                | \            |                                                    |                                                  |              | Г            |                 |  |
|                 | 4                                                                                | П                                                | U                                                | 9                                                | 11           |                                                    |                                                  |              |              |                 |  |
|                 | 5                                                                                | П                                                | 202                                              | レ                                                |              |                                                    |                                                  |              |              | П               |  |
|                 | 6                                                                                | Ħ                                                | N                                                | S                                                |              | $\vdash$                                           | _                                                | $\vdash$     | _            | $\Box$          |  |
|                 | 7                                                                                | Ħ                                                | 1                                                | <u>-</u>                                         | _            | _                                                  | _                                                | _            | $\vdash$     | Н               |  |
|                 | 4 5 6 7 8 O                                                                      | $\vdash$                                         | H                                                | H                                                | -            | -                                                  | -                                                | $\vdash$     | $\vdash$     | Н               |  |
| <b></b>         | -1                                                                               | Н                                                | H                                                | H                                                | $\vdash$     | $\vdash$                                           | -                                                | Н            | $\vdash$     | H               |  |
|                 |                                                                                  | ╁                                                | Н                                                | H                                                | $\vdash$     | <del> </del>                                       | $\vdash$                                         | H            | ┢╌           | Н               |  |
| $\vdash \vdash$ | 11                                                                               | ╁                                                | H                                                | Н                                                | $\vdash$     | -                                                  | <del> </del>                                     | <del> </del> |              | $\vdash \vdash$ |  |
| <u> </u>        | 4                                                                                | ╀                                                | ${+}$                                            | +                                                | <del> </del> |                                                    | ├—                                               | <del> </del> |              | $\vdash \vdash$ |  |
| <b></b>         | H.E.                                                                             | ₩                                                | ${\sf H}$                                        | ${\sf H}$                                        | <u> </u>     | ├—                                                 | <del> </del>                                     | <del> </del> | <del> </del> | $\vdash \vdash$ |  |
| L               | 18                                                                               | ${\sf H}$                                        | dash                                             | $\vdash$                                         | <u> </u>     | <u> </u>                                           | <u> </u>                                         | <u> </u>     | <u> </u>     | Ш               |  |
| <u> </u>        | 10<br>11<br>12<br>13<br>14<br>15<br>16<br>17                                     | $\sqcup$                                         | $oldsymbol{\sqcup}$                              | ${f H}$                                          | <u> </u>     | <u> </u>                                           | <u> </u>                                         | <u> </u>     | <u> </u>     | $\vdash \vdash$ |  |
| <u> </u>        | 15                                                                               | ╙                                                | $\sqcup$                                         | $\vdash$                                         | <u> </u>     | <u> </u>                                           | <u> </u>                                         | <u> </u>     | <u> </u>     | Щ               |  |
|                 | 16                                                                               | Ш                                                | $oldsymbol{\sqcup}$                              | Щ                                                | _            | <u> </u>                                           |                                                  | <u> </u>     | <u> </u>     | Ш               |  |
|                 |                                                                                  | Щ                                                | Ц                                                | Щ                                                |              | _                                                  | L_                                               |              | L_           | Ш               |  |
|                 | 18                                                                               | Ц                                                | Ц                                                | Ц                                                |              |                                                    | L_                                               | _            | <u> </u>     | Ш               |  |
|                 | 19                                                                               | Ш                                                | Ц                                                | Ш                                                |              | <u> </u>                                           | <u></u>                                          | _            |              | Ш               |  |
|                 | 20                                                                               | Ш                                                | Ш                                                | Ш                                                |              |                                                    |                                                  | Ш            |              | Ш               |  |
|                 | 2)                                                                               | Ш                                                | Ш                                                |                                                  |              |                                                    | _                                                |              |              |                 |  |
|                 | 18<br>19<br>20<br>21<br>22<br>28<br>24<br>25<br>26<br>27<br>28<br>29<br>30<br>31 |                                                  |                                                  | -                                                |              |                                                    |                                                  |              |              |                 |  |
|                 | 28                                                                               |                                                  | 2                                                | 2                                                |              |                                                    |                                                  |              |              |                 |  |
|                 | 24                                                                               | ÷                                                | 20                                               | 7                                                | Ż            |                                                    |                                                  |              |              |                 |  |
|                 | 25                                                                               |                                                  |                                                  |                                                  |              |                                                    |                                                  |              |              |                 |  |
|                 | 26                                                                               |                                                  |                                                  |                                                  |              |                                                    |                                                  |              |              |                 |  |
|                 | 27                                                                               |                                                  |                                                  |                                                  |              |                                                    |                                                  |              |              |                 |  |
|                 | 28                                                                               |                                                  |                                                  |                                                  |              |                                                    |                                                  |              |              | П               |  |
|                 | 29                                                                               |                                                  |                                                  |                                                  |              |                                                    |                                                  |              |              |                 |  |
|                 | 30                                                                               | -                                                |                                                  | •                                                |              | Г                                                  |                                                  |              |              |                 |  |
|                 | 31                                                                               |                                                  | _                                                |                                                  |              | $\vdash$                                           |                                                  |              |              | П               |  |
|                 | 32                                                                               | <del>                                     </del> | $\vdash$                                         |                                                  | <u> </u>     | <del>                                     </del>   | <del>                                     </del> |              | l —          | $\vdash$        |  |
| -               | 33                                                                               | $\vdash$                                         | <del>                                     </del> |                                                  |              | <del>                                     </del>   | $\vdash$                                         | H            | $\vdash$     | $\vdash$        |  |
|                 | 32<br>33<br>34                                                                   | <del>                                     </del> |                                                  | <del>                                     </del> | $\vdash$     | $\vdash$                                           | <del>                                     </del> | $\vdash$     | $\vdash$     |                 |  |
|                 | 35                                                                               | $\vdash$                                         | $\vdash$                                         | -                                                |              |                                                    | Ι                                                | $\vdash$     | $\vdash$     | $\vdash \vdash$ |  |
|                 | 36                                                                               | -                                                | $\vdash$                                         | -                                                | $\vdash$     | $\vdash$                                           |                                                  | -            |              |                 |  |
|                 | 37                                                                               | $\vdash$                                         | -                                                |                                                  |              | -                                                  |                                                  | -            | H            |                 |  |
| $\vdash$        | 35<br>36<br>37<br>38                                                             | $\vdash$                                         | $\vdash$                                         | $\vdash$                                         | <del> </del> | <del>  -                                    </del> | <del>                                     </del> |              | -            |                 |  |
|                 | 39                                                                               | ├                                                | -                                                |                                                  | <b> </b>     | <del> </del>                                       | ļ                                                | $\vdash$     | ┢            | $\vdash \vdash$ |  |
| $\vdash$        |                                                                                  | $\vdash$                                         | $\vdash$                                         | <u> </u>                                         | $\vdash$     | <del> </del>                                       | _                                                | $\vdash$     |              | $\vdash$        |  |
|                 | 40                                                                               | -                                                | $\vdash$                                         |                                                  | -            |                                                    |                                                  | $\vdash$     | $\vdash$     |                 |  |
|                 | 41                                                                               | $\vdash$                                         |                                                  |                                                  | -            |                                                    | <u> </u>                                         | <u> </u>     | ├            |                 |  |
|                 | 42                                                                               | -                                                |                                                  |                                                  | -            | $\vdash$                                           | <u> </u>                                         | <u> </u>     | <u> </u>     | $\vdash \vdash$ |  |
| <u> </u>        | 43                                                                               | <u> </u>                                         |                                                  | <u> </u>                                         | L.           | <u> </u>                                           | ļ                                                | <u> </u>     | Ь-           | Щ               |  |
| L               | 44                                                                               | <u> </u>                                         | <u> </u>                                         |                                                  | $\vdash$     | _                                                  |                                                  | <u> </u>     | <u> </u>     | Щ               |  |
|                 | 45                                                                               | <u> </u>                                         | <u> </u>                                         | <u> </u>                                         | Щ            | L_                                                 | L_                                               | <u> </u>     | <u> </u>     | Щ               |  |
| igsquare        | 46                                                                               | $ldsymbol{ldsymbol{eta}}$                        | <u> </u>                                         |                                                  | L_           | _                                                  |                                                  | L_           | L            | Ш               |  |
|                 | 47                                                                               | <u> </u>                                         | $oxed{oxed}$                                     |                                                  |              | L_                                                 | L                                                |              | L_           | Ш               |  |
|                 | 48                                                                               | L                                                |                                                  |                                                  |              |                                                    |                                                  |              |              | Ш               |  |
|                 | 49                                                                               |                                                  |                                                  |                                                  |              |                                                    |                                                  |              |              |                 |  |
|                 | 50                                                                               |                                                  |                                                  |                                                  |              |                                                    |                                                  |              |              |                 |  |

| Cla      | Claim    |                                                  | Date         |          |          |                |                                                  |              |                                                    |              |  |  |
|----------|----------|--------------------------------------------------|--------------|----------|----------|----------------|--------------------------------------------------|--------------|----------------------------------------------------|--------------|--|--|
| Final    | Original |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 51       |                                                  | $\vdash$     |          | $\vdash$ |                |                                                  |              |                                                    |              |  |  |
|          | 52<br>53 |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 53       |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 54<br>55 |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 55       |                                                  |              |          |          |                | L                                                |              |                                                    |              |  |  |
|          | 56       |                                                  |              |          |          |                | <u></u>                                          |              | L                                                  |              |  |  |
|          | 57<br>58 | L.,                                              |              |          |          |                | _                                                |              |                                                    | L.           |  |  |
|          | 58       | _                                                | <u> </u>     | L        | <u> </u> | _              | ļ                                                |              |                                                    |              |  |  |
| <u> </u> | 59       | <u> </u>                                         | _            | _        | <u> </u> |                | _                                                | _            |                                                    | _            |  |  |
|          | 60       | H                                                | ┝            | -        | $\vdash$ | _              |                                                  |              | -                                                  | _            |  |  |
| -        | 61<br>62 | <u> </u>                                         | -            | <u> </u> | -        | _              | <u> </u>                                         | -            | <u> </u>                                           |              |  |  |
|          | 63       | $\vdash$                                         | $\vdash$     | -        | -        | -              |                                                  | $\vdash$     | <del> </del>                                       | _            |  |  |
| -        | 64       | ⊢                                                |              |          | _        |                | -                                                |              | 1                                                  |              |  |  |
| $\vdash$ | 65       | <del> </del>                                     | <del> </del> | -        | -        |                |                                                  |              |                                                    |              |  |  |
| -        | 66       | $\vdash$                                         | $\vdash$     | Н        | $\vdash$ | -              | <del> </del>                                     | $\vdash$     | <del>  -                                    </del> | -            |  |  |
|          | 67       |                                                  |              |          |          |                | $\vdash$                                         |              |                                                    |              |  |  |
|          | 68       |                                                  |              |          | H        | -              |                                                  | $\vdash$     | -                                                  |              |  |  |
|          | 69       | Т                                                | $\vdash$     |          |          |                | _                                                |              | _                                                  |              |  |  |
|          | 70       |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 71       |                                                  |              |          | _        |                |                                                  |              |                                                    |              |  |  |
|          | 72       |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 73       |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 74       |                                                  | L            | L        |          |                |                                                  | L_           |                                                    |              |  |  |
|          | 75       | <u>L</u>                                         | _            |          |          |                |                                                  | <u> </u>     | <u> </u>                                           |              |  |  |
|          | 76       | _                                                |              | _        | <u> </u> |                |                                                  | L            | <u> </u>                                           |              |  |  |
|          | 77       | _                                                | <u> </u>     | $\vdash$ | <u> </u> |                |                                                  | <u> </u>     |                                                    | _            |  |  |
| -        | 78       | _                                                | _            | _        | _        | _              | <u> </u>                                         | <u> </u>     |                                                    |              |  |  |
| -        | 79<br>80 | _                                                | <del> </del> |          | —        |                | —                                                |              | $\vdash$                                           | -            |  |  |
| -        | 81       | -                                                | <del> </del> |          | -        | _              | _                                                | ├            | <u> </u>                                           |              |  |  |
| -        | 82       | -                                                | <u> </u>     | -        |          | -              |                                                  | ├            | $\vdash$                                           | <del> </del> |  |  |
| _        | 83       | <del>                                     </del> | $\vdash$     |          | -        | $\vdash$       | $\vdash$                                         | <del> </del> | $\vdash$                                           | -            |  |  |
|          | 84       |                                                  | -            | -        |          |                |                                                  | $\vdash$     | $\vdash$                                           |              |  |  |
|          | 84<br>85 |                                                  |              |          | -        | 1              | <del>                                     </del> |              |                                                    | _            |  |  |
|          | 86       |                                                  | <u> </u>     |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 87       |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 88       |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 89       |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 90       |                                                  |              |          |          |                |                                                  |              |                                                    |              |  |  |
|          | 91       |                                                  | L            |          |          |                | L                                                |              |                                                    |              |  |  |
| <u></u>  | 92       | <u> </u>                                         | L_           | <u> </u> | _        | <u> </u>       | L.                                               | _            | $\vdash$                                           | Щ            |  |  |
| <u> </u> | 93       | _                                                | L            | _        |          | _              | ļ                                                | _            | <u> </u>                                           |              |  |  |
|          | 94       | <b> </b>                                         | <u> </u>     | _        |          | $\vdash$       |                                                  |              | <u> </u>                                           | $\vdash$     |  |  |
| -        | 95       | -                                                | <u> </u>     | -        | _        | $\vdash$       | ļ                                                | <u> </u>     |                                                    | Н            |  |  |
| -        | 96<br>97 | ├                                                | -            | $\vdash$ | <u> </u> | <del>   </del> | <del> </del>                                     | <del> </del> | ⊢                                                  | <u> </u>     |  |  |
|          | 98       | $\vdash$                                         | -            |          | _        | -              | -                                                | H            | _                                                  | -            |  |  |
|          | 99       | $\vdash$                                         | Н            | $\vdash$ |          |                |                                                  |              |                                                    | _            |  |  |
|          | 100      | $\vdash$                                         |              | -        |          | $\vdash$       | -                                                | -            | -                                                  | _            |  |  |
|          |          | L                                                |              | L        |          |                |                                                  |              | L                                                  |              |  |  |

| Claim |                          | Date         |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|-------|--------------------------|--------------|--------------|--------------------------------------------------|----------|--------------------------------------------------|--------------------------------------------------|--------------|----------|-----------------|--|
| Final | Original                 |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 101                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 102                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 103                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 104<br>105               |              |              |                                                  |          |                                                  |                                                  | L            |          |                 |  |
|       | 105                      |              |              |                                                  | L.       | L                                                |                                                  |              |          | Щ               |  |
|       | 106                      | _            |              | <u> </u>                                         | _        | _                                                |                                                  |              |          | $\square$       |  |
|       | 107<br>108               |              |              |                                                  |          |                                                  | <u> </u>                                         |              |          |                 |  |
|       | 108                      |              |              | <u> </u>                                         | <u> </u> |                                                  | <u> </u>                                         |              | _        | Н               |  |
|       | 109                      | -            |              | ├                                                |          | -                                                |                                                  | -            |          | $\vdash$        |  |
|       | 110                      |              |              |                                                  | -        |                                                  | ├                                                |              | -        | $\vdash$        |  |
|       | 112                      | -            | -            | -                                                | $\vdash$ | $\vdash$                                         | -                                                | _            | $\vdash$ | $\vdash$        |  |
|       | 111<br>112<br>113<br>114 | $\vdash$     |              | -                                                | -        | -                                                |                                                  |              | $\vdash$ | $\dashv$        |  |
|       | 114                      | <b>-</b>     | <del></del>  | <del>                                     </del> | $\vdash$ | $\vdash$                                         | <del>                                     </del> |              | -        | $\vdash \vdash$ |  |
|       | 115                      | $\vdash$     | <del> </del> | $\vdash$                                         | $\vdash$ | $\vdash$                                         | $\vdash$                                         | <del> </del> | $\vdash$ | $\vdash \vdash$ |  |
|       | 115<br>116               | $\vdash$     | $\vdash$     | $\vdash$                                         | -        | -                                                | <del> </del>                                     | -            | $\vdash$ | $\vdash \vdash$ |  |
| -     | 117                      |              | $\vdash$     | 一                                                | $\vdash$ | <del>                                     </del> | $\vdash$                                         |              |          | $\vdash \vdash$ |  |
|       | 118                      | $\vdash$     | $\vdash$     | $\vdash$                                         | $\vdash$ | $\vdash$                                         | $\vdash$                                         | _            | $\vdash$ | $\vdash$        |  |
|       | 118<br>119               |              | _            | $\vdash$                                         |          | -                                                | _                                                |              |          | Н               |  |
|       | 120                      |              |              |                                                  |          |                                                  | _                                                |              |          |                 |  |
|       | 121                      |              |              | Г                                                |          |                                                  | $\vdash$                                         |              |          |                 |  |
|       | 121<br>122               | Г            |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 123                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 123<br>124<br>125        |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 125                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 126<br>127<br>128        |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 127                      |              |              |                                                  |          | <u> </u>                                         | <u> </u>                                         |              |          |                 |  |
|       | 128                      | L            | L.           | <u> </u>                                         | _        | _                                                |                                                  |              |          |                 |  |
|       | 129<br>130<br>131        |              | _            | _                                                | _        | <u> </u>                                         | _                                                |              |          |                 |  |
|       | 130                      |              |              | _                                                | L.       | <u> </u>                                         | _                                                |              | L        |                 |  |
|       | 131                      |              | _            | L_                                               |          |                                                  | <u> </u>                                         | _            |          | Щ               |  |
|       | 132<br>133               | <u> </u>     |              | <u> </u>                                         | <u> </u> | <u> </u>                                         | <u> </u>                                         |              | _        | Щ               |  |
|       | 133                      |              |              | _                                                | _        | <u> </u>                                         | <u> </u>                                         | _            | _        | Ш               |  |
|       | 134<br>135               | <del> </del> |              | <del> </del>                                     | -        | -                                                | ├-                                               | -            | -        | $\vdash\vdash$  |  |
|       | 135                      | H            | -            | -                                                | <u> </u> | ┝                                                | _                                                | -            | $\vdash$ | Н               |  |
|       | 137                      |              |              | ⊢                                                | ┝        | <del> </del>                                     | $\vdash$                                         | -            | $\vdash$ | $\vdash$        |  |
|       | 138                      | $\vdash$     | <u> </u>     | $\vdash$                                         | $\vdash$ | $\vdash$                                         | $\vdash$                                         | $\vdash$     | $\vdash$ | $\dashv$        |  |
|       | 139                      | $\vdash$     | Η-           | $\vdash$                                         | $\vdash$ | $\vdash$                                         | -                                                | -            | $\vdash$ | $\vdash \vdash$ |  |
|       | 140                      | $\vdash$     | <u> </u>     | $\vdash$                                         | $\vdash$ | $\vdash$                                         | ┢                                                | $\vdash$     | Н        | $\vdash$        |  |
|       | 141                      |              |              |                                                  |          | ┢┈                                               | <del> </del>                                     |              |          |                 |  |
|       | 142                      |              |              | Г                                                |          |                                                  | <del>                                     </del> | Τ            | Г        | $\dashv$        |  |
|       | 143                      |              |              |                                                  |          |                                                  | T                                                |              |          |                 |  |
|       | 144                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 145                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 146                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 147                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 148                      |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |
|       | 149                      |              |              | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |          | _                                                |                                                  |              |          | Ц               |  |
|       | 150                      |              |              |                                                  |          |                                                  | <u> </u>                                         |              | L        |                 |  |
|       |                          |              |              |                                                  |          |                                                  |                                                  |              |          |                 |  |